

050-98-044

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ilan Golecki

Confirmation No. 3899

Serial No.: 09/859,655

Group Art Unit 1763

Filed: May 17, 2001

Examiner: George A. Goudreau

For: NON-MECHANICAL FABRICATION OF CARBON-CARBON
CONTAINING WORK PIECESCommissioner of Patents and Trademarks
Washington D. C. 20231AMENDMENT

Please cancel **claim 2**, and replace **claims 1, 3, 5, 6, 8, 10, and 20** with the following.

1. A method of forming features in a carbon-based work piece, the method comprising:

depositing a mask layer on the work piece;
creating a pattern in the mask layer by photolithography; and
etching the pattern into the work piece.

3. The method of claim 1, wherein the photolithography includes depositing a photoresist layer on the masked work piece and exposing the photoresist to ultra-violet light.

5. The method of claim 1, wherein the etching step comprises plasma etching the pattern into the work piece.

6. The method of claim 1, wherein the etching step comprises reactive ion etching the desired pattern into the work piece.